

ABSTRACT**APPLICANT:****VAI CLECIM****INVENTOR:****Michel ABI-KARAM**

The invention relates to a method and a device for controlling the final thickness of a rolled product (B) at the outlet of a rolling mill including at least two roll stands (1-5) operating in tandem and associated with a general speed control system of the different stands, and to a device for controlling the reduction in thickness and in tension of the product (B) in each space (10-50) between two successive stands.

According to the invention, the control device performs, in real time, dynamic balance, between the different stands (1-5), of the torques applied, in each stand, on the working rolls (T , T'), without any noticeable disturbance of the final thickness h_5 of the product (B) at the outlet of the plant.

The invention enables, in particular, to optimise the productivity of a tandem rolling mill, without any engine overloading risks.

FIGURE 2